



Manatee Cards

Scenario

A

The teacher is showing students a teacher-created PowerPoint presentation that describes the current plight of the Florida Manatee as an endangered animal. The students will use the information to create a bulletin board outside their classroom. In addition the teacher has set up a station in the back with a computer simulation/game where students try to avoid potential dangers faced by manatees as they search for food, reproduce, and explore the ocean around them. This station is setup as a reward center for students who finish their part of the bulletin board.

Keywords:

Scenario

B

Students read about manatees in the weekly reader newsletter for the classroom. The main focus for these students is in researching the habitat and the dangers to the habitat for manatee population growth. They will create a bulletin board that will go in the hall. One side of the board will show animals and plants that belong in the same water as the manatee. On the other side the board will show manmade items that do not belong in the water as the manatee. This board will act as a teaching tool for the whole school.

Keywords:

Scenario

C

After a field trip to the zoo, students became concerned about the shrinking manatee population along the Gulf. Students will conduct their own information searches via the Internet and at the school library about the decline rate of the manatees, collect sufficient data to support one or more of their hypotheses, and submit a proposal for action to a local environmental organization. The teacher at this level has daily concerns about the management of the project (e.g., How do I make this project relevant to students who may not care about endangered species? What if their proposal gets ignored?)

Keywords:

Scenario

D

After viewing a PowerPoint presentation that describes the current plight of the Florida Manatee as an endangered animal, students create an elaborate web page dedicated to research about the manatee. The web page provides a summary of student's analysis of real time data gathered from various research sites on the Internet. The data is displayed as a series of charts showing that increased human population over time has decreased the number of manatee sightings along the Gulf. The web page provides links to student comparisons between the Florida Manatee and other aquatic life.

Keywords:



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E

After a field trip to the zoo, students became concerned about the shrinking manatee population along the Gulf. Students will conduct their own information searches via the Internet and at the school library about the decline rate of the manatees, collect sufficient data to support one or more of their hypotheses, and submit a proposal for action to a local environmental organization. The teacher at this level has confidence in designing high-quality performance tasks and learning experiences that are relevant, engaging, and authentic to the students. This teacher “knows what to do” and “when to do it” when integrating technology.

Keywords:

Scenario

F

After viewing a PowerPoint presentation that describes the current plight of the Florida Manatee as an endangered animal, students create an elaborate web page dedicated to research about the manatee. The web page contains a great deal of text, pictures, and links about manatees. The links were provided to give the viewer access to more detailed websites about the manatee. Students make sure to include information about habitat, life cycle, family structure, as well as natural and manmade dangers of the manatees so that their viewers will be better informed in the future.

Keywords:

Scenario

G

The teacher introduces a variety of learning prompts, experiences, or “situations” to motivate students to think about and reflect on problems associated with the declining manatee population. Students are directly involved in decision-making relating to their roles as self-directed learners. Collaborations with other classrooms and outside experts are established via the Internet and video-conferencing with institutions and agencies beyond the classroom to aid students in their data collection surrounding the manatee. Students make decisions about which application or which product best communicates the information they have gathered to solve this real world problem.

Keywords:

Scenario

H

The teacher introduces a variety of learning prompts, experiences, or “situations” to motivate students to think about and reflect on problems associated with the declining manatee population. Students and teachers at this level have ready access to a vast array of technology-based tools to aid them in their authentic problem solving surrounding the manatee population. Technology access is never an issue at this level. Technology is viewed as a process, product, AND tool to aid students and teachers toward solutions to issues and problems that are viewed as relevant, practical, and urgent.

Keywords: